New Intersection Locations

As part of its ongoing priority to reduce the frequency of crashes at all intersections, the Department continuously evaluates the need for the placement of cameras throughout the state. Intersections selected into the ERLSP are determined eligible through engineering-based criteria and the use of the most recent crash data. The *Delaware Strategic Highway Safety Plan (SHSP)* established the reduction of intersection-related fatalities and serious injuries as the *SHSP*'s number one emphasis area. Consistent with the engineering and enforcement goals of the *SHSP*, the ERLSP reduces the frequency of angle and red-light-running crashes at signalized intersections, as supported in the corresponding annual reports.

The most important criterion in selecting an intersection is the frequency of angle crashes due to red light running. Another factor is the intersection's geometry; specifically, whether the physical configuration of the intersection allows for the installation of ERLSP equipment. Once candidate locations are identified, additional analyses, such as the use of countermeasures in lieu of cameras, the efficacy of capturing images at approaches, and the impacts on other aspects of the intersection's performance, are researched. Each of these steps are considered prior to any final recommendations.

The Department completed its most recent site selection process and recommends expanding the ERLSP beyond the existing 30 locations to implement red light enforcement monitoring at the following 16 signalized intersections beginning in CY 2016:

New Castle County

- Route 4 (E. Chestnut Hill Road) at Route 72 (S. Chapel Street)
- Route 4 (E. Chestnut Hill Road) at Salem Church Road / Route 273 Connector
- Route 58 (Churchmans Road) at I-95 southbound off-ramp
- Route 58 (Churchmans Road) at Route 7 southbound / Route 1 southbound / I-95 ramps
- Route 72 (S. Chapel Street) at Kenmar Drive / Pencader Plaza
- Route 141 (Centre Road) at Route 34 (Faulkland Road)
- Route 141 (Powder Mill Road) at W. Park Drive / U.S. 202 southbound off-ramp
- Route 273 (Christiana Road) at Route 1 southbound ramps
- U.S. 13 at Boulden Boulevard / Bacon Avenue
- U.S. 13 at Memorial Drive / Hazeldell Avenue
- U.S. 40 at Eden Square
- U.S. 40 at Glasgow Drive
- U.S. 40 at Governors Square
- U.S. 202 at Silverside Road
- U.S. 301 / Route 896 (Summit Bridge Road) at Summit Village Shopping Centre / Shoppes of Mt. Pleasant

Sussex County

• Route 1 at U.S. 9 / Savannah Road

The 16 new sites were assessed in accordance with the intersection selection process guidelines. A threshold of 7 at-fault-approach, red-light-running crashes within the 5-year crash analysis period was used in both the selection of new sites and the expansion of existing sites. Locations with crash histories above this threshold were deemed eligible for evaluating the feasibility and effectiveness of automated red-light-running monitoring.

In accordance with the authorizing legislation, prior to the installation of the cameras at the 16 new intersections, notifications will be provided to the incumbent state senator and representative for the districts in which such locations are proposed. The Department's camera vendor, Xerox, has initiated preliminary engineering for the new ERLSP camera installations, which are scheduled for phased construction throughout CY 2016 and CY 2017.